

Technical Purchase Description (TPD) for Hand Sanitizers

1. Scope

This technical purchase description (TPD) covers commercially available hand sanitizers used in dispensing systems. Sanitizers are rinse-free products that kill germs and viruses and help prevent the spread of disease. These sanitizers are authorized for shipboard use but shall not be installed or used in food preparation areas. Sanitizers shall not be used in lieu of hand washing.

2. Types

The product shall be of the following types:

Type 1 – Sanitizers with alcohol as the active component in the formulation

Type 2 – Sanitizers with a non-alcohol active component in the formulation

3. Units of Issue

The hand sanitizer shall be available in the following units of issue.

750 mL cartridges

800 mL cartridges

950 mL cartridges

(The hand sanitizers are not limited to the units of issue listed above. The cartridge size will be dependent upon the manufacturers dispensing system.)

4. Requirements

4.1 Prohibited Materials

4.1.1 Carcinogens and Toxins

The materials used in the hand sanitizer shall not contain any known or suspected human carcinogens in concentrations equal to or greater than 0.1% (by weight) as defined in: Code of Federal Regulations 29 CFR 1910.1000 Series, Occupational Safety and Health Administration (OSHA) Subpart Z Regulated Carcinogens/Toxic and Hazardous Substance List (latest edition); International Agency for Research on Cancer (IARC) Groups 1, 2A, and 2B (latest edition); and the latest annual report of the National Toxicology Program's (NTP) of Known to be Human Carcinogens, and Reasonably Anticipated to be Human Carcinogens.

4.1.2 Reproductive Hazards

The materials used in the hand sanitizer shall not contain the following occupational reproductive hazardous chemicals if used in concentrations equal to or greater than 0.1 percent (by weight): acetohydroxamic acid, aminopterin, arsenic, benomyl, benzene, bromoxynil, cadmium, carbon disulfide, carbon monoxide, chlordecone, cyanazine, cycloheximide, cyhexatin, dinocap, dinoseb, 1,2-dibromo-3-chloropropane, m-dinitrobenzene, o-dinitrobenzene, p-dinitrobenzene, epichlorohydrin,

ethylene glycol monoethyl ether, ethylene glycol monoethyl ether acetate, ethylene glycol monomethyl ether, ethylene monomethyl ether acetate, ethylene oxide, hexachlorobenzene, hydroxurea, lead, mercury and mercury compounds, methyl bromide, methyl mercury, nickel carbonyl, polybrominated biphenyls, polychlorinated biphenyls, 2,3,7,8-tetrachloro-dibenzo-para-dioxin, toluene, and warfarin and any other chemical species listed in OPNAVINST 5100.23, Chapter 29, Appendix 29-B. The most current version of the instruction can be obtained from the internet website: <http://www.navosh.net>.

4.2 pH. The pH of the hand sanitizer shall be determined as specified in ASTM E 70 on a 1% solution of the concentrated product mixed with distilled water. The pH shall be in the range of 5 to 9.

4.3 FDA approval. The hand sanitizer shall meet the performance standards set forth in 21 CFR 333.470 and have documentation stating FDA approval.

4.4 Flash Point. The flash point of the hand sanitizer when tested as specified in ASTM D 56 shall meet the following requirement:

Type 1 – Flash point shall be greater than 65°F

Type 2 – Flash point shall be greater than 140°F

4.5 Shelf Life. The hand sanitizer shall have a minimum shelf life of 36 months.

4.6 Rinse-free properties. The hand sanitizer shall have properties whereby no water is required for rinsing hands after use in accordance with manufacturer's directions.

4.7 Skin Irritation. The hand sanitizer shall not contain components that may be classified as a "sensitizer" which may irritate skin during frequent use. The hand sanitizer may contain emollients that may aid in the prevention of skin irritation.

4.8 Material Safety Data Sheets (MSDS). The contracting activity shall be provided a material safety data sheet with each contract bid/proposal or prior to contract award. The MSDS shall be provided in accordance with the requirements of FED-STD-313 and 29 CFR 1910.1200, Hazardous Communication Standard. The MSDS shall be included with each shipment of the material covered by this TPD. The MSDS must be the most current version for the product.

5. Regulatory Requirements.

The contractor is encouraged to use recovered materials in accordance with Public Law 94-580 to the maximum extent practicable.

6. Quality Assurance Provisions

6.1 Contractor Certification

The product provided shall meet the TPD requirements and conform to the producer's own drawings, specifications, standards, and quality assurance practices and be the same product offered for sale in the commercial market. The Government reserves the right to require proof of such conformance.

6.2 Market Acceptability. The following market acceptability criteria are necessary to document the quality of the product to be provided under this TPD:

- a) The company furnishing the hand cleaner must have been producing a product meeting the requirements of this technical purchase description for at least 6 months.
- b) The Government reserves the right to require proof of such conformance.

7. Preparation for Delivery

The item(s) shall be packaged and packed in accordance with the latest revision of ASTM D 3951, Standard Practice for Commercial Packaging unless otherwise specified in the contract.

8. Source of Documents

8.1 Copies of ASTM test methods should be addressed to the American Society for Testing and Materials, 100 Barr Harbor Drive, West Conshohocken, PA 19428-2959 www.astm.org

8.2 Copies of the Code of Federal Regulations (CFR) and Federal Acquisition Regulation (FAR) may be obtained from the Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402. Website: HYPERLINK <http://www.access.gpo.gov/nara/cfr/cfr-table-sarch.html>.

8.3 Copies of all IARC publications are available directly from IARCPress, 150 Cours Albert Thomas, F-69372 Lyon cedex 08, France (Fax: +33 4 72 73 83 02; E-mail press@iarc.fr).

8.4 Copies of the most recent Annual Report on Carcinogens may be obtained from the U.S. Department of Health and Human Services, Public Health Service, National Toxicology Program, P.O. Box 12233, Research Triangle Park, NC 27709. Website: HYPERLINK <http://ntp-server.niehs.nih.gov/NewHomeRoc/AboutRoC.html>

8.5 OPNAVINST 5100.23, Chapter 29, Appendix 29-B. The most current version of the instruction can be obtained from the internet website: <http://www.navosh.net>.